beam 54.3 for the ceph image than the image detector 5. An adjustment means 70 is connected to camera 55 for movement of the camera relative to the fan beam 54.1, an adjustment means 71 is connected to the second image detector 5 for movement thereof within the camera, an adjustment means 72 is connected to move the X-ray emitter 52, an adjustment means 73 is connected to the primary diaphragm 57 for movement thereof relative to the fan beam 54, and a means 80 is connected to the camera 55 and the X-ray emitter 52 to create 3D images from several 2D images from different directions using cone beam technology with reconstruction algorithms.